

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	("20020029122"   "4490037"   "5703639"   "5886343"   "6091449"   "6757627").PN.	US-PGPUB; USPAT	ADJ	ON	2010/07/29 11:10
L2	1	("20040263652").PN.	US-PGPUB; USPAT	ADJ	ON	2010/07/29 11:11
L3	3	("20020012058"   "20020109072"   "7193197").PN.	US-PGPUB; USPAT	ADJ	ON	2010/07/29 11:14
S1	2	"20060239587"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/01/15 13:41
S2	3875	pixel with array with horizontal with vertical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 11:43
S3	249310	(movement or (position near3 (change or deviat\$3))) near7 (detect\$3 or observ\$3 or record\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 11:44
S4	13	S2 same S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 11:44
S5	116	S2 same ((common or shar\$3) near5 (line or electrode))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 12:46
S6	0	S5 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 12:47
S7	840745	(movement or change or deviat\$3) near7 (detect\$3 or observ\$3 or record\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 12:48

S8	5	S5 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 12:49
S9	5	("20030133054"   "20040160167"   "6340963"   "6674136"   "6909114").PN. OR ("7091667").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 13:27
S10	261	(sugiyama near3 yukinobu or mizuno near3 seiishiro or oikawa near3 toshihiro).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 13:39
S11	6	("20010013811"   "20010051049"   "5699450").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 13:41
S12	3	"20040263652"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 13:44
S13	3	"7193197"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 14:04
S14	11	("20030081132"   "20040129992"   "5196929"   "5602415"   "5886343"   "6091449"   "6384396"   "6410900"   "6559433"   "6956605"). PN. OR ("7193197"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:13
S15	43	"5699450" or "1049171" or "6275244"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:43
S16	4949	250/208.1.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:48
S17	114	S2 and S16	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:48
S18	6	(image same pixel same single same multiple same luminance).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:51
S19	399	(pixel same (horizontal or row) same (vertical or column) same luminance).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:53

S20	54	(pixel same (horizontal or row) same (vertical or column) same luminance same ("same" or common)).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:53
S21	67	(pixel same (horizontal or row) same (vertical or column) same (luminance or density) same ("same" or common)).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:54
S22	15009	(position near4 (shift or deviat\$3 or movement) near7 (image))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 15:04
S23	139	S2 and S22	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 15:05
S24	2	S2 same S22	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 15:05
S25	2427	(position near4 (shift or deviat\$3 or movement) near7 (image) near7 (detect\$3 or measur\$3))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 15:06
S26	7	S2 and S25	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 15:06
S27	6117	345/156,175.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 16:04
S28	11	S2 and S27	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 16:04
S29	80376	(pixel or ccd) with (row or horizontal) with (column or vertical)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 16:06
S30	237	S27 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 16:06
S31	18864	S29 same (light or luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 16:06
S32	752	S31 and (S27 or S16)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 16:07
S33	18	S32 and S22	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 16:07

S34	5246	optical with touch with panel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 16:40
S35	1491	optical near3 touch near3 panel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 16:40
S36	342	S29 and S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/23 16:40
S37	2	("20020079512"   "4689446").PN. OR ("7671848").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 16:47
S38	70	speckle with optical with (mouse or mice)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 13:33
S39	15	(US-20060091301-\$).did. or (US-6937959-\$ or US-7268341-\$ or US-6927758-\$ or US-7138620-\$ or US-7405389-\$ or US-7042575-\$ or US-5854482-\$ or US-5703356-\$ or US-5644139-\$ or US-5288993-\$ or US-7459671-\$ or US-7122781-\$ or US-6124587-\$ or US-5578817-\$).did.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 13:34
S40	8036	(plural\$3 or multiple or two) near7 (photosensitive or photoreceptor or phototransistor or photodiode or (light near3 (sensor or element))) near7 pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/27 14:28
S41	5535	(plural\$3 or multiple or two) near4 (photosensitive or photoreceptor or phototransistor or photodiode or (light near3 (sensor or element))) near4 pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/27 14:30

S42	115	(plural\$3 or multiple or two) near4 (photosensitive or photoreceptor or phototransistor or photodiode or (light near3 (sensor or element))) near4 ((per or single) near3 pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/27 14:31
S43	3	("5714753"   "6274917"   "6831692").PN. OR ("7230224").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 14:36
S44	15	"5119181"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 14:49
S45	3895	((vertical or y) near5 sense) same ((horizontal or x) near5 sense)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 14:54
S46	3570	((vertical or y) near5 sense) with ((horizontal or x) near5 sense)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 14:54
S47	6	S40 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/27 14:54
S48	32	("5420631"   "5894325"   "6091449"   "6215113").PN. OR ("6507365").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 14:58
S49	67	"5907152"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 15:09
S50	66	("20020130835"   "20020158300"   "20020190953"   "20030034959"   "20040084610"   "20040189593"   "20050024336"   "20050024623"   "20050083303"   "3922093"   "4546347"   "4799055"   "5288993"   "5473344"   "5578813"   "5644139"   "5703356"   "5729008"   "5729009"   "5786804"   "5825044"   "5854482"   "5907152"   "5963197"   "5994710"   "6031218"   "6037643"   "6057540"   "6097371"   "6151015"   "6172354"   "6225617"   "6233368"   "6281881"   "6281882"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 15:16

		"6326950"   "6330057"   "6351257"   "6396479"   "6421045"   "6424407"   "6433780"   "6452683"   "6455840"   "6462330"   "6476970"   "6529184"   "6585158"   "6603111"   "6621483"   "6642506"   "6657184"   "6664948"   "6674475"   "6677929"   "6703599"   "6737636"   "6774351"   "6774915"   "6795056"   "6809723"   "6819314"   "6823077"   "D382550"   "D385542"   "D464352").PN.				
S51	34	("4546347"   "4720631"   "4751380"   "4794384"   "4799055"   "4920260"   "5015070"   "5288993"   "5703356"   "5729009"   "6031218").PN. OR ("6225617").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 15:19
S52	11	(motion with detect\$3).ti. and ((photodiode or phototransistor or photoreceptor) near7 array)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/27 15:26
S53	31	(US-20050067943-\$ or US-20020196424-\$ or US- 20060273238-\$ or US- 20060261245-\$ or US- 20060163448-\$ or US- 20060239587-\$ or US- 20050041124-\$ or US- 20040195490-\$ or US- 20030133000-\$ or US- 20020079512-\$).did. or (US-6933973-\$ or US- 7091667-\$ or US- 6400448-\$ or US- 7193197-\$ or US- 6384396-\$ or US- 7245317-\$ or US- 7256379-\$ or US- 7329851-\$ or US- 7176431-\$ or US- 7145131-\$ or US- 6909516-\$ or US- 6763199-\$ or US- 6590611-\$ or US- 5448024-\$ or US- 6927758-\$ or US- 7122781-\$ or US- 6124587-\$ or US-	US-PGPUB; USPAT	ADJ	ON	2010/07/27 16:22

		5854482-\$ or US- 7230224-\$ or US- 6507365-\$ or US- 5907152-\$).did.				
S54	5066	(pixel with luminance). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/27 16:23
S55	5	S53 and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/27 16:23
S56	31	(US-20050067943-\$ or US-20020196424-\$ or US- 20060273238-\$ or US- 20060261245-\$ or US- 20060163448-\$ or US- 20060239587-\$ or US- 20050041124-\$ or US- 20040195490-\$ or US- 20030133000-\$ or US- 20020079512-\$).did. or (US-6933973-\$ or US- 7091667-\$ or US- 6400448-\$ or US- 7193197-\$ or US- 6384396-\$ or US- 7245317-\$ or US- 7256379-\$ or US- 7329851-\$ or US- 7176431-\$ or US- 7145131-\$ or US- 6909516-\$ or US- 6763199-\$ or US- 6590611-\$ or US- 5448024-\$ or US- 6927758-\$ or US- 7122781-\$ or US- 6124587-\$ or US- 5854482-\$ or US- 7230224-\$ or US- 6507365-\$ or US- 5907152-\$).did.	US-PGPUB; USPAT	ADJ	ON	2010/07/28 16:51
S57	5	S56 and (array and dimensional and photosensitive and luminance).clm.	US-PGPUB; USPAT	ADJ	ON	2010/07/28 16:53

**EAST Search History (Interference)**

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Detection Image Concentration and Formation.wsp**